

## Antenna Study

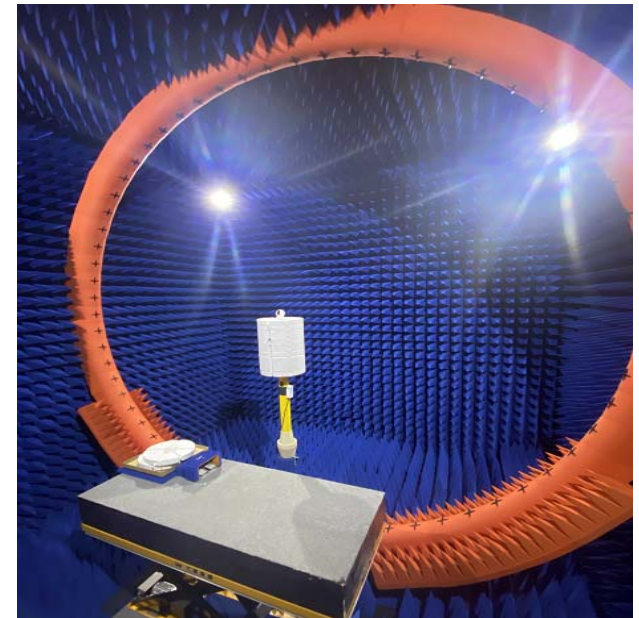
- **Client Name:**
- **Project Name:5.8G PCB ANATEL**
- **Debugging frequency band: 5.8G**
- **Valuation date: 2026.01.19**

# Internal Antenna

Dongguan UB Electronics Co., Ltd



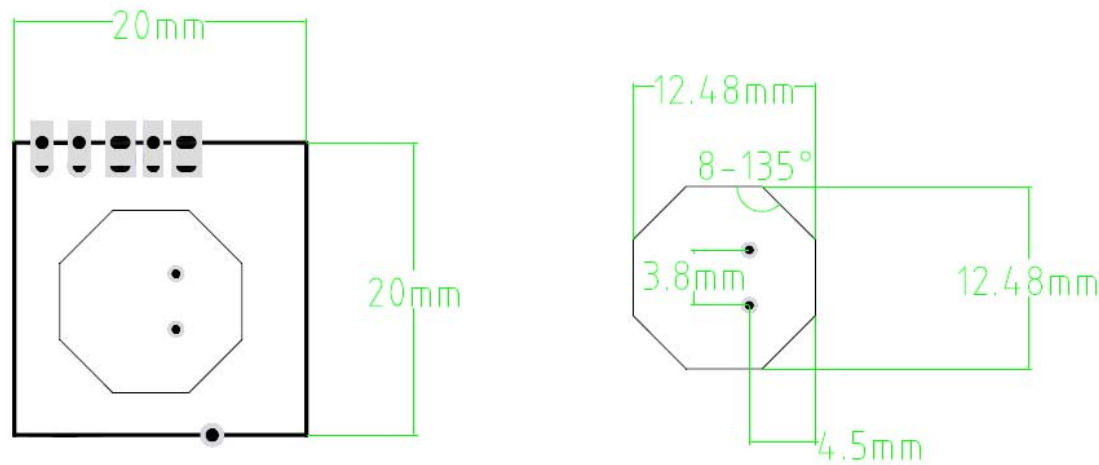
Testing environment



Testing 3D microwave darkroom(6m\*6m\*6m)

# External Antenna

Dongguan UB Electronics Co., Ltd

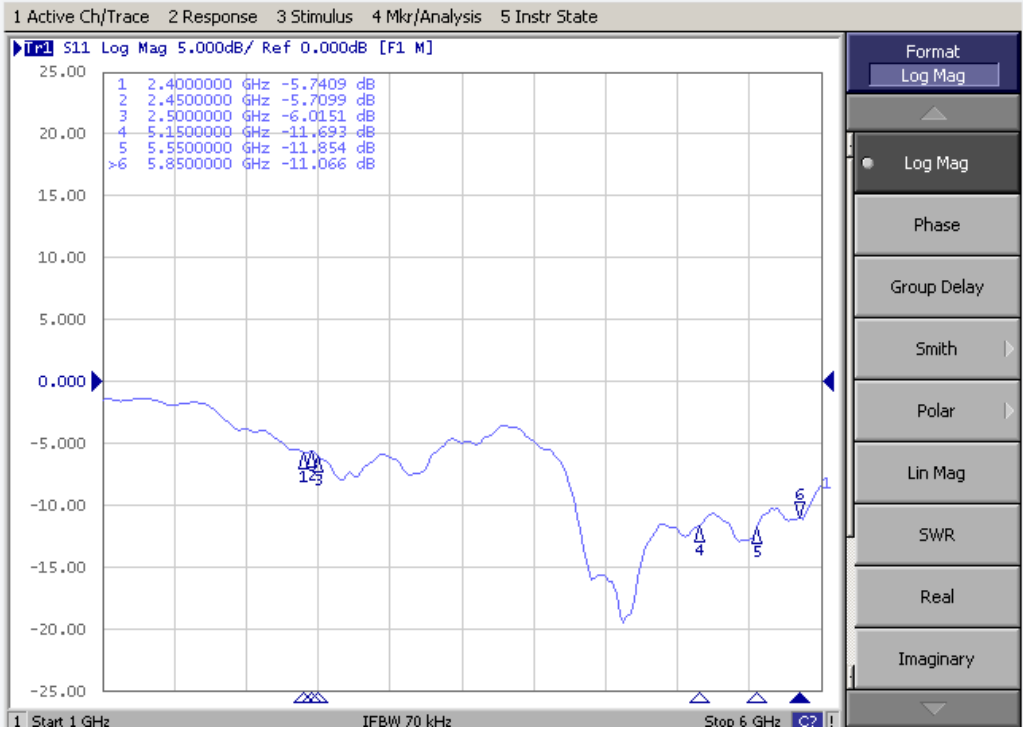
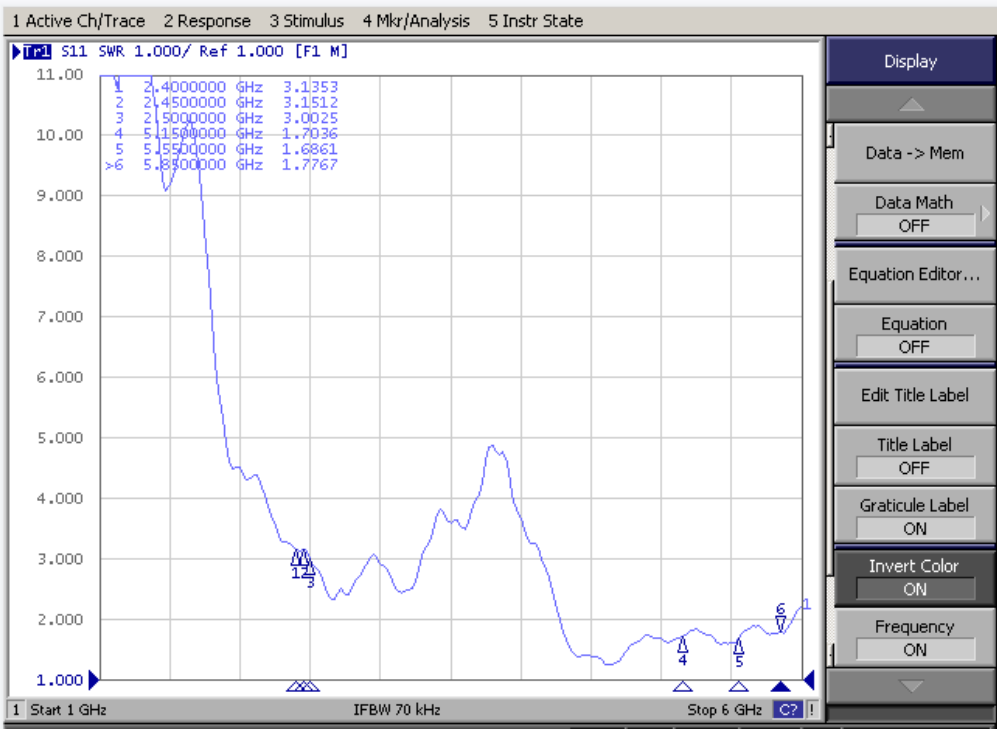


product specification chart

Antenna

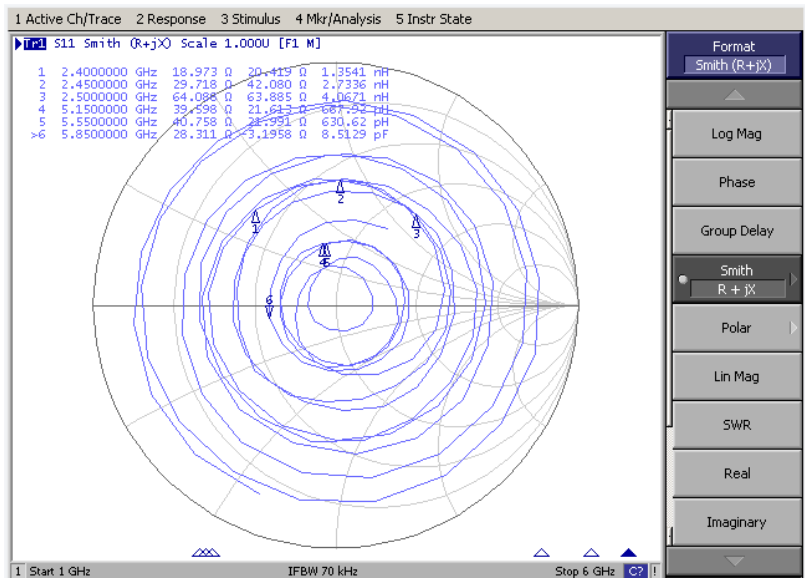
- Antenna name: 5.8G
- Antenna Type: PCB
- Covers : 5.8G

# S Parameter\_Return Loss&VSWR

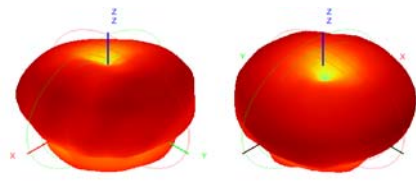


# Efficiency and Gain-Smith

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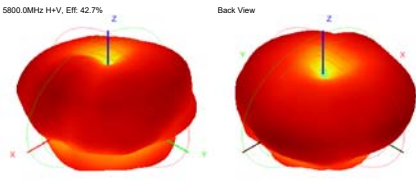
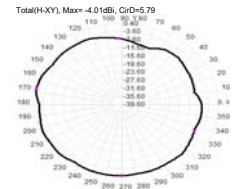
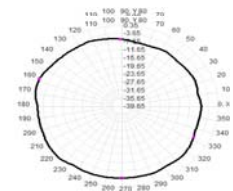
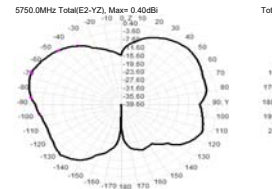
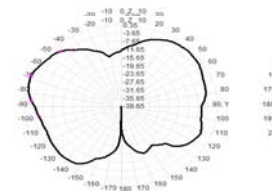
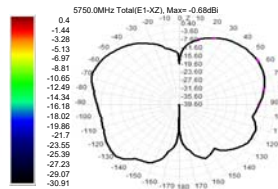
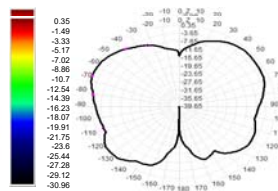
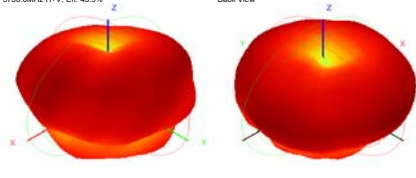


|                 |        |        |        |        |
|-----------------|--------|--------|--------|--------|
| Frequency (MHz) | 5700.0 | 5750.0 | 5800.0 | 5850.0 |
| Gain (dBi)      | 0.35   | 0.40   | 0.24   | 0.20   |
| Efficiency(dBi) | 43.36  | 43.86  | 42.67  | 42.00  |



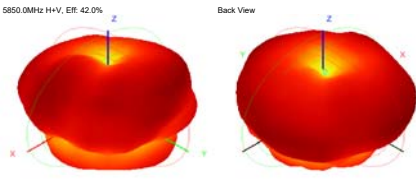
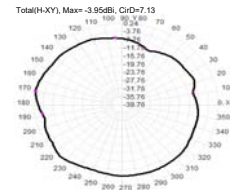
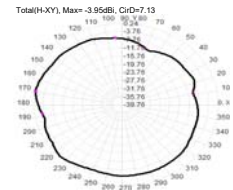
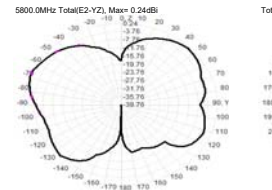
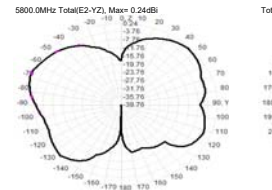
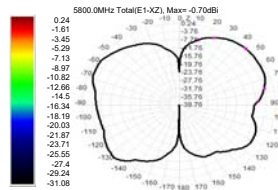
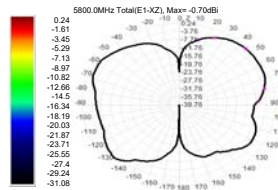
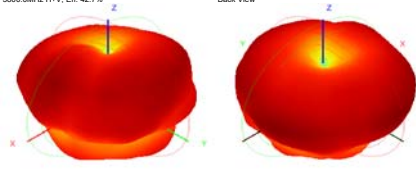
5750.0MHz H+V, EIR: 43.9%

Back View



5800.0MHz H+V, EIR: 42.7%

Back View



5850.0MHz H+V, EIR: 42.0%

Back View

